

## KEY INTEGRATION ACTIVITIES

The following are the key technical integration activities that are currently underway and cross project/Site lines. These activities are being addressed by inter-discipline and inter-project groups and demonstrate that Hanford Site contractors are working together to accomplish the Hanford Site mission.

- 1)     **Activity:**     Canister Storage Building (CSB) availability for RPP's storage of Vitrified HLW.  
          **Interface:**   RPP/SNF  
          **Status:**    Interfaces defined; signed agreement in place between DESH and LMHC. Detail design to begin in October 1999. Use of CSB scheduled to begin in fall of 2002.  
                          **This item is closed.**
- 2)     **Activity:**     324/327 Building SNF removal.  
          **Interface:**   SNF/Facility Stabilization  
          **Status:**    All SNF Project fuel removed from 327 in April. Currently defining system requirements for fuel removal from 324 Building. Detailed work plans should be developed by the end of FY99.
- 3)     **Activity:**     K Basins Sludge Process Optimization  
          **Interface:**   SNF/RPP/Waste Management  
          **Status:**    Sludge Treatment Alternative Study analysis was submitted in March 1999. Identification of a cost effective sludge treatment and disposal path is expected to be completed in May 1999.
- 4)     **Activity:**     Disposition of sodium coolant.  
          **Interface:**   ART/Facility Stabilization/RPP/Waste Management  
          **Status:**    RPP milestone M-50-03 confirmed that advanced pretreatment of High Level Waste will be required. If FFTF is shutdown, the baseline will be updated to incorporate the use of FFTF sodium to produce sodium hydroxide for tank waste pretreatment.
- 5)     **Activity:**     Open and Sample Tank 241-Z-361  
          **Interface:**   RPP/Facility Stabilization  
          **Status:**    An integrated team has vented the tank and installed the breather filter without incident. Vapor sample analysis and video taping is scheduled for mid May. The team will obtain full depth core samples of the waste sludge later this summer. Chemical and isotopic analysis of the sludge will determine the future course of action required for safe storage and ultimate disposal of the tank waste.  
                          **This item is closed.**

## KEY INTEGRATION ACTIVITIES (CONTINUED)

- 6)     **Activity:**     B Plant/PUREX Transition  
       **Interface:**   Facility Stabilization/ER  
       **Status:**     B Plant Surveillance and Maintenance (S&M) Phase Safety Analysis Report (SAR) review continued for transition of the facility to the ER Project. Transition is expected to occur in the June-July time frame. PUREX was transitioned to the ER Project (from EM-60 to EM-40) on April 21, 1999.
- 7)     **Activity:**     Groundwater/Vadose Zone Integration  
       **Interface:**   BHI/PHMC/PNNL/PNNL/Public Involvement  
       **Status:**     Multi-contractor team established. The public comment period on the Draft *Baseline, Long Range Plan* and *Project Specification* closed on March 12, 1999. Comment resolution is in progress. Frequent public involvement meetings to obtain planning input were conducted.
- 8)     **Activity:**     Collaboration on procurement of EBR-II casks and revision to existing EBR-II SARP to reduce procurement costs and the number of EBR-II Cask SARP revisions  
       **Interface:**   PNNL/B&W Hanford Company  
       **Status:**     Agree to pursue submitting one purchase requisition for EBR-II casks and include disposition of spent fuel pieces and fines from both the 324 and 325 Buildings in the SARP revision.